

limiting the invention. Various modifications and applications may occur to those skilled in the art without departing from the true spirit and scope of the invention as defined by the appended claims.

1. A method for a second internet protocol network, the method comprising:

logically connecting, to a packet data network connection provided between a user equipment and a first internet protocol network over a radio access network, the second internet protocol network located on a data path from the first internet protocol network to the user equipment, wherein the first internet protocol network represents the highest level internet protocol point of attachment to the packet data network connection; and

sending router advertisements from the second internet protocol network to the user equipment over the radio access network via the packet data network connection.

2. The method of claim 1, comprising:

logically connecting the second internet protocol network to the packet data network connection by means of a physical network interface located at the second internet protocol network and establishing tunnels associated with bearer services.

3. The method of claim 1, comprising:

mapping an access of the second internet protocol network within said packet data network connection to a dedicated bearer and routing router advertisements at the second internet protocol network to the dedicated bearer.

4. A method for a first internet protocol network, the method comprising:

establishing a packet data network connection between a user equipment and the first internet protocol network over a radio access network;

mapping an access of the first internet protocol network within said packet data network connection to a default bearer;

routing router advertisements at the first internet protocol network to the default bearer; and

providing the default bearer associated with the first internet protocol network and a dedicated bearer associated with each of second internet protocol networks logically connected to the packet data network connection, to the user equipment.

5. The method of claim 4, comprising:

providing the default bearer and the dedicated bearer over a single radio link between the user equipment and the radio access network.

6. The method according to claim 4, comprising:

providing the default bearer and the dedicated bearer to the user equipment over multiple radio links between the user equipment and the radio access network.

7. The method of claim 4, wherein the first/second internet protocol network provides its own internet protocol prefix space.

8. The method of claim 4, comprising:

associating n internet protocol prefixes either to the dedicated bearer or the default bearer, wherein n is an integer equal to or greater than zero.

9. The method of claim 4, comprising:

setting a prefix advertised by the first/second internet protocol network based on its level internet protocol point of attachment to the packet data network connection.

10. The method of claim 4, comprising:

setting a common shared prefix for each end host served by the first/second internet protocol network.

11. A method for a user equipment, comprising:

establishing a packet data network connection between the user equipment and a first internet protocol network over a radio access network;

receiving router advertisements from the first internet protocol network and second internet protocol networks over the radio access network via the packet data network connection, wherein the first internet protocol network represents the highest level internet protocol point of attachment to the packet data network connection, and wherein the second internet protocol networks are located on a data path from the first internet protocol network to the user equipment and are logically connected to the packet data network connection; and

passing the router advertisements to a host having an operating system according to internet protocol networking principles.

12. A computer program product including a program for a processing device, comprising software code portions for performing the steps of claim 1 when the program is run on the processing device.

13. (canceled)

14. (canceled)

15. An apparatus of a second internet protocol network, configured to:

logically connect, to a packet data network connection provided between a user equipment and a first internet protocol network over a radio access network, the second internet protocol network located on a data path from the first internet protocol network to the user equipment, wherein the first internet protocol network represents the highest level internet protocol point of attachment to the packet data network connection; and

send router advertisements from the second internet protocol network to the user equipment over the radio access network via the packet data network connection.

16. The apparatus of claim 15, configured to:

logically connect the second internet protocol network to the packet data network connection by means of a physical network interface located at the second internet protocol network and establish tunnels associated with bearer services.

17. The apparatus of claim 15, configured to:

map an access of the second internet protocol network within said packet data network connection to a dedicated bearer and route router advertisements at the second internet protocol network to the dedicated bearer.

18. An apparatus of a first internet protocol network, configured to:

establish a packet data network connection between a user equipment and the first internet protocol network over a radio access network;

map an access of the first internet protocol network within said packet data network connection to a default bearer; route router advertisements at the first internet protocol network to the default bearer; and

provide the default bearer associated with the first internet protocol network and a dedicated bearer associated with each of second internet protocol networks logically connected to the packet data network connection, to the user equipment.